

FULL PRESSURE SUIT TEST LOGSUBJECT # 1051FLIGHT DATE 10 Dec 67SUIT # -3

DON _____

CUTER GARMENT W/FLOAT GEAR -3 ETC

DOFF _____

HELMET # 298

TIME IN SUIT _____

GLOVES # # -2TECHNICIAN 25X1ABOOTS -1PRESS-TO-TESTPRE-FLIGHTSUBJECT TESTPOSTFLIGHTSYSTEM #1Max Pressure 112106106Differential 1.41.51.4Leak Rate 12004001000SYSTEM #2Max Pressure 107120112Differential 1.41.51.4Leak Rate 1200450350Unpress Leak Rate 300450300Face Heat 17.5 Commo and Cord ✓ Pencils ✓ Knife ✓ Controller Number 73 Packet ✓ Grease Zippers ✓ Check Location of CO₂ Pressure Tap Screws ✓

PRESSURE SUIT HOOK-UP CHECKLIST

1. Packet in pocket.
2. Stirrups secured.
3. Foot rest guards over seat foot rests.
4. Communications secured and functioning.
5. Face heat ON (LOW).
6. Oxygen hoses secured in QD.
7. Three harness snaps secured - harness adjusted and surplus stowed.
8. Kit adjusted and surplus stowed.
9. Two (2) bailout hoses secured.
10. Lap belt, shoulder harness, key, secured and adjusted. (VELCRO TAPE SECURED)
11. Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12. Emergency oxygen lanyard secured and pin removed.
13. Green apple secured.
14. Red knob secured, guard removed.
15. Manual over-ride handle secured.
16. Two (2) Rocket-Jet releases secured.
17. Press-to-test both O₂ Systems, (LOW pressure-#1 Sys 95/100 #2 Sys 65/75).
18. Check face heat.
19. Re-adjust lap belt.
20. Kit lanyard secured to D-Ring, under Lap Belt.
21. Parachute beacon; AUTOMATIC (), UNSNAPPED (←), SNAPPED ().

22. Departing LOX quantity, #1 System 9.5 #2 System 9.25 TIME 1125.

23. Returning LOX quantity, #1 System 9.4 #2 System 9.5 TIME 1210.

25X1A

SUBJECT	<u>51</u>	AIRCRAFT NUMBER	<u>27</u>
TECHNICIAN	<u> </u>	DATE OF FLIGHT	<u>10 Dec 62</u>

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE:

1. ✓ Ripcord pins seated (main and first stage).
2. ✓ Check power cable linkage.
3. ✓ Pack opening elastics secured.
4. ✓ First stage jettison mated and pins secured.
5. ✓ Two (2) rocket jet units secured.
6. ✓ Manual over ride handle secured.
7. ✓ Green apple secured.
8. ✓ Red knob secured, guard installed.
9. ✓ Bailout hoses adjusted for HIGH flight.
10. ✓ Bailout hose connectors operating.
11. ✓ Bailout hose safety clip lanyard checked.
12. ✓ Harness adjusted for HIGH flight.
13. ✓ Automatic openers - triggered and reset.
14. ✓ Aneroids (sea level to 7500').
15. ✓ Bailout cylinder pins secured.
16. ✓ Bailout cylinder pressure #1 1800 #2 1800
17. ✓ Communication cord secured to chute.
18. ✓ Visual inspection completed.
19. ✓ Faceheat battery pack checked.

SURVIVAL KIT:

1. ✓ Yellow handle secured.
2. ✓ Trigger clearance.
3. ✓ Kit disconnects secured.
4. ✓ Lid secured.
5. ✓ Visual condition.

INSTALLATION:

1. ✓ Shoulder harness installed.
2. ✓ Vent hose secured at disconnect.
3. ✓ Kit secured to chute, loose.
4. ✓ Emergency oxygen lanyard secured to chute with pin installed.
5. ✓ Communication cord secured at disconnect.
6. ✓ Vent hose secured to chute.
7. ✓ Pin secured in QD and safetied.
8. ✓ Oxygen system low pressure #1 80/70 #2 80/70.
9. ✓ Pip pin in "D" ring.
10. ✓ Stirrup cables extended and operating freely.
11. ✓ Foot rest guards over seat foot rest.

SUBJECT# 51 AIRCRAFT # 57 PARACHUTE # 106 SEAT KIT # 57

TYPE CUSHION 5817 DATE 10 Dec 67 VENT HOSE # 73 TECHNICIAN ph

PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 10 Dec 1967 ACFT 31 PILOT
 TIME IN FLIGHT 4:00 TIME IN SUIT 5:00 PREBREATHING TIME 1:00

SATISFACTORY UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT)

SUIT PROPER - 4

A. CABIN DECOMPRESSION: YES NO

6. OUTER GARMENT - 4

7. BOOTS AND SPURS - 2 4 D.

8. GLOVES - 4

9. OXYGEN SYSTEM

DEPART	RETURN		
TIME	AMT	TIME	AMT

#1 1025 9.5 1500 8.0#2 1025 9.5 1500 9.0

10. MISCELLANEOUS

11. EVALUATION ITEMS

25X1A

A.

A.
B.
C.
D.
E.

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)

PHYSIOLOGICAL SUPPORT DEBRIEFING

DATE 10 Dec 1967 ACFT 31 PILOT 25X1A

TIME IN FLIGHT 4:00 TIME IN SUIT 5:00 PREBREATHING TIME 1:00

SATISFACTORY UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT)

2. SURVIVAL KIT AND CUSHION

3. PARACHUTE H125 PINS 4

4. HELMET -1

A. REFLECTIONS

B. FACE HEAT

C. COMMUNICATIONS

5. SUIT PROPER 4

A. CABIN DECOMPRESSION: YES NO

6. OUTER GARMENT 4

7. BOOTS AND SPURS 2 40.

8. GLOVES 4

9. OXYGEN SYSTEM

DEPART RETURN

TIME AMT TIME AMT

#1 1025 9.5 1500 8.0

#2 1025 9.5 1500 9.0

10. MISCELLANEOUS

11. EVALUATION ITEMS

A.

25X1A

B.

C.

D.

E.

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)

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BX-6738

DCOL CHECK LIST

* DENOTES MANDATORY CALL TO COM AND POST UPON COMPLETION

H-24:00 TO H-23:30:	SECURE SUIT, CHUTES, KITS AND VENT UNITS:	✓ 1100 - 1130
	DESIGNATE LIFE SUPPORT TECHNICIANS:	
	✓ H/C 31-50 P.....	✓
H-23:30:	ATTEND COMMANDERS BRIEFING.....	✓ 1130
	SUBMIT HANGAR ACCESS ROSTER, 5 CYS 1-MC 3-SECURITY 1-DCOL	✓
	SUBMIT RECOVERY ROSTER, 3 CYS 1-MC 1-ADMIN 1-DCOL	✓
H-22:00 TO H-17:00:	PREFLIGHT:	✓ 1300 - 1800
	BOTH SUITS (EA PILOT).....	✓
	PARACHUTE AND EMERGENCY O2 SYSTEMS.....	✓
	SEAT KIT COMPONENTS.....	✓
	SUIT ROOM VENT.....	✓
	LOX VENT UNIT.....	✓
	OXYGEN CYLINDERS.....	✓
	TEST EQUIPMENT.....	✓
H-21:00:	NOTIFY SECURITY, SEAT KIT AVAILABLE FOR PACKING.....	✓ 1400
H-3:00 TO H-1:40:	PREPARE PREBREATHING ROOM FOR RECEIPT OF PILOT:.....	✓ 0800 - 0920
H-2:00 PERSONALLY CHECK WITH MISSION CORRDINATOR AT C.P. TO VERIFY NAMES OF PRIMARY AND SPARE PILOTS AND AIRCRAFT:		✓ 0900
	P.....	✓
	S.....	✓
H-2:00:	INSTALL SEAT KIT AND PARACHUTE:.....	✓ 0900
H-1:45 TO H-1:30:	SECURITY INSPECTS SUITS:.....	✓ 0915
H-1:20 TO H-1:10:	FLIGHT SURGEONS MEDICAL IN DCOL:.....	✓ 0930 - 0940
H-1:10 TO H-1:00:	DRESS PILOT, PRESSURE CHECK EQUIPMENT:.....	✓ 0950 - 1000
H-0:50 TO H-0:45:	TRANSPORT TO AIRCRAFT:.....	✓ 1010 - 1015
*H-0:45 TO H-0:35:	PILOT HOOKUP AND SUIT A/C CHECK:.....	✓ 1015 - 1025
H-0:35 TO TAKEOFF:	STANDBY IN DCOL AND PACK LOW RECOVERY EQUIPMENT:.....	✓ 1025 -
LANDING:	REMOVE PILOT, TRANSPORT PILOT BACK TO DCOL, DESUIT PILOT:.....	✓ 1025 -
	DEBRIEF PILOT, EVALUATE AND CHECK RELIABILITY OF EQUIPMENT:.....	✓ 1025 -
	POST-FLIGHT EQUIPMENT:.....	✓ 1025 -

* * * TOP SECRET * * *

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FULL PRESSURE SUIT TEST LOG

SUBJECT # 1050
 SUIT # 4
 OUTER GARMENT W/FLOAT GEAR 4
 HELMET # 1
 GLOVES # 4
 BOOTS 2

FLIGHT DATE 10 Dec 67
 DON 1000
 DOFF 1500
 TIME IN SUIT 5+00
 TECHNICIAN 25X1A

PRESS-TO-TEST

PRE-FLIGHT

SUBJECT TEST

POSTFLIGHT

SYSTEM #1

Max Pressure

110

110

114

Differential

1.3

1.4

1.3

Leak Rate

550

1400

1200

SYSTEM #2

Max Pressure

120

120

120

Differential

1.3

1.4

1.3

Leak Rate

500

500

800

Unpress. Leak Rate

500

400

600

Face Heat

18

Commo and Cord

OK

Pencils

✓

Knife

✓

Controller Number

76

Packet

✓

Grease Zippers

✓

Check Location of CO₂

✓

Pressure Tap Screws

✓

✓

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FULL PRESSURE SUIT TEST LOG

SUBJECT # 1050

FLIGHT DATE _____

SUIT # - 3

DON _____

CUTTER GARMENT W/FLOAT GEAR - 3

DOFF _____

HELMET # - 1

TIME IN SUIT _____

GLOVES # - 3

TECHNICIAN 25X1A

BOOTS _____

PRESS-TO-TEST

PRE-FLIGHT

SUBJECT TEST

POSTFLIGHT

SYSTEM #1

Max Pressure 109

Differential 1.3

Leak Rate 1300

SYSTEM #2

Max Pressure 108

Differential 1.3

Leak Rate 1150

Unpress. Leak Rate 400

Face Heat 18-a

Commo and Cord /

Pencils /

Knife /

Controller Number /

Packet /

Grease Zippers /

Check Location of CO₂ /

Pressure Tap Screws /

PRESSURE SUIT HOOK-UP CHECKLIST

1. ✓Packet in pocket.
2. ✓Stirrups secured.
3. ✓Foot rest guards over seat foot rests.
4. ✓Communications secured and functioning.
5. ✓Face heat ON (LOW).
6. ✓Oxygen hoses secured in QD.
7. ✓Three harness snaps secured - harness adjusted and surplus stowed.
8. ✓Kit adjusted and surplus stowed.
9. ✓Two (2) bailout hoses secured.
10. ✓Lap belt, shoulder harness, key, secured and adjusted. (VELCRO TAPE SECURED)
11. ✓Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12. ✓Emergency oxygen lanyard secured and pin removed.
13. ✓Green apple secured.
14. ✓Red knob secured, guard removed.
15. ✓Manual over-ride handle secured.
16. ✓Two (2) Rocket-Jet releases secured.
17. ✓Press-to-test both O₂ Systems, (LOW pressure-#1 Sys 69 #2 Sys 70/80).
18. ✓Check face heat.
19. ✓Re-adjust lap belt.
20. ✓Kit lanyard secured to D-Ring, under Lap Belt.
21. ✓Parachute beacon; AUTOMATIC (), UNSNAPPED (X), SNAPPED ().

22. ✓Departing LOX quantity, #1 System 9.5 #2 System 9.8 TIME 1025.

23. ✓Returning LOX quantity, #1 System _____ #2 System _____ TIME _____.

25X1A

SUBJECT 50 AIRCRAFT NUMBER 31
TECHNICIAN DATE OF FLIGHT 10 Dec 69

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE:

1. ✓ Ripcord pins seated (main and first stage).
2. ✓ Check power cable linkage.
3. ✓ Pack opening elastics secured.
4. ✓ First stage jettison mated and pins secured.
5. ✓ Two (2) rocket jet units secured.
6. ✓ Manual over ride handle secured.
7. ✓ Green apple secured.
8. ✓ Red knob secured, guard installed.
9. ✓ Bailout hoses adjusted for HIGH flight.
10. ✓ Bailout hose connectors operating.
11. ✓ Bailout hose safety clip lanyard checked.
12. ✓ Harness adjusted for HIGH flight.
13. ✓ Automatic openers - triggered and reset.
14. ✓ Aneroids (sea level to 7500').
15. ✓ Bailout cylinder pins secured.
16. ✓ Bailout cylinder pressure #1 1800 #2 1800.
17. ✓ Communication cord secured to chute.
18. ✓ Visual inspection completed.
19. ✓ Faceheat battery pack checked.

SURVIVAL KIT:

1. ✓ Yellow handle secured.
2. ✓ Trigger clearance.
3. ✓ Kit disconnects secured.
4. ✓ Lid secured.
5. ✓ Visual condition.

INSTALLATION:

1. ✓ Shoulder harness installed.
2. ✓ Vent hose secured at disconnect.
3. ✓ Kit secured to chute, loose.
4. ✓ Emergency oxygen lanyard secured to chute with pin installed.
5. ✓ Communication cord secured at disconnect.
6. ✓ Vent hose secured to chute.
7. ✓ Pin secured in QD and safetied.
8. ✓ Oxygen system low pressure #1 80/70 #2 80/70.
9. ✓ Pip pin in "D" ring.
10. ✓ Stirrup cables extended and operating freely.
11. ✓ Foot rest guards over seat foot rest.

SUBJECT# 50 AIRCRAFT # 31 PARACHUTE # 125 SEAT KIT # 50

TYPE CUSHION SBM DATE 10 Dec 67 VENT HOSE # 76 TECHNICIAN

25X1A

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DCOL

MISSION PILOTS ACTIVITY SCHEDULE FOR OPERATIONAL MISSION

H-HOUR TIME <u>PRIMARY</u>	LOCAL TIME <u>PRIMARY</u>	H-HOUR TIME <u>SPARE</u>	LOCAL TIME <u>SPARE</u>	<u>ITEM</u>	<u>LOCATION</u>
H -22:30	<u>1230</u>			Pre-Mission Physical Exam	Flt Surg
H -21:30	<u>1330</u>			Eating	A/C Mess
H-20:30	<u>1430</u>			Recreation activities as scheduled	Selected Area
H -18:00	<u>1700</u>			Intelligence Review	DCOMI
H -17:00	<u>1800</u>			Initial Brief & Recreation	DCO Brief Rm
H -14:00	<u>2100</u>			Eating	A/C Mess
H -13:00	<u>2200</u>			Crew Rest	Asgd House
H -4:00	<u>0700</u>			Wake/up Psychological Ck	Asgd House/ Crew Mess
H -3:30	<u>0730</u>			Final Briefing	DCO Brief Rm
H -2:30	<u>0830</u>			Breakfast	A/C Mess
H -1:20	<u>0940</u>	H -1:20	<u>0940</u>	Final Physical Evaluation	DCOL
H -1:10	<u>0950</u>	H -1:10	<u>1050</u>	Suiting	DCOL
H -:50	<u>1010</u>	H +:10	<u>1110</u>	Leave Ops	Transport Van
H -:45	<u>1015</u>	H +:15	<u>1115</u>	Arrive Aircraft	Hangar
H -:30	<u>1030</u>	H +:30	<u>1130</u>	Start Engine	Hangar
H -:20	<u>1040</u>	H +:40	<u>1140</u>	Taxi	Aircraft
H -:05	<u>1055</u>	H +:55	<u>1155</u>	Trim Engine	Aircraft
H -:00	<u>1100</u>	H +1:00	<u>1200</u>	Take Off	Aircraft
L +:25				Post Mission Physical	DCOL
L +:45				Ops Debrief	DCO Brief Rm
L +1:00				Mission Debrief	DCO Brief Rm
L +3:30				Released	

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XEROX COPY

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XEROX COPY

XEROX COPY

SECRET

FROM: Mission Coordinator

9 DEC 1967

SUBJECT: Mission Alert Notification

TO: (See Below)

Request your attendance at the Commander's Briefing to be held
 in the Operations Briefing Room on 9 DEC 1967 at
1130 L.

FOR THE COMMANDER

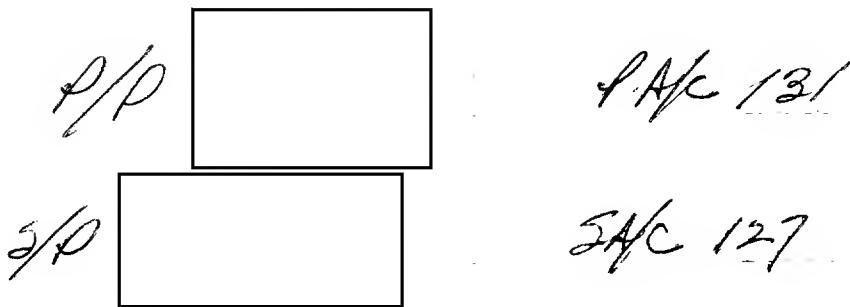
Mission Coordinator

Office	Time(L)	Recipient	Office	Time(L)	Recipient
CMDR			DCOL		
DCO			DCOC/MC		
DCM			DCOMI		
DCS			DCOW		
SECUR.			COMMO		
FLTSURG			AFCS		(Notify Only)
DCOM			TTFC(SAC)	<u>0645</u>	(Notify Only)

SECRET

BX 6738

25X1A



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